

Employee Post-Travel Disclosure of Travel Expenses

Post-Travel Filing Instructions: Complete this form within 30 days of returning from travel. Submit all forms to the Office of Public Records in 232 Hart Building.

RECEIVED
SECRETARY OF THE SENATE
PUBLIC RECORDS

2019 AUG 30 PM 3:21

In compliance with Rule 35.2(a) and (c), I make the following disclosures with respect to travel expenses that have been or will be reimbursed/paid for me. I also certify that I have attached:

- ☒ The original *Employee Pre-Travel Authorization* (Form RE-1), AND
☒ A copy of the *Private Sponsor Travel Certification Form* with all attachments (itinerary, invitee list, etc.)
Stanford University

Private Sponsor(s) (list all): _____

August 26-29, 2019

Travel date(s): _____

N/A

Name of accompanying family member (if any): _____

Relationship to Traveler: ☐ Spouse ☐ Child

IF THE COST OF LODGING DID NOT INCREASE DUE TO THE ACCOMPANYING SPOUSE OR DEPENDENT CHILD, ONLY INCLUDE LODGING COSTS IN EMPLOYEE EXPENSES. (Attach additional pages if necessary.)

Expenses for Employee:

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
<input checked="" type="checkbox"/> Good Faith Estimate <input type="checkbox"/> Actual Amount	\$599.45 (round trip airfare) \$60 (ground transportation)	\$600 (\$200 per night)	\$231	

Expenses for Accompanying Spouse or Dependent Child (if applicable):

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
<input type="checkbox"/> Good Faith Estimate <input type="checkbox"/> Actual Amount				

Provide a description of all meetings and events attended. See Senate Rule 35.2(c)(6). (Attach additional pages if necessary.): Participated in seminars and hands-on simulations focused on cyber security and AI

over the course of three days. These included lectures by the leading researchers in the fields of computer science, law, aeronautics and robotics from Stanford and from other universities.

8/30/19

(Date)

Jacob Olidort

(Printed name of traveler)

(Signature of traveler)

TO BE COMPLETED BY SUPERVISING MEMBER/OFFICER:

I have made a determination that the expenses set out above in connections with travel described in the *Employee Pre-Travel Authorization* form, are necessary transportation, lodging, and related expenses as defined in Rule 35.

8/30/2019

(Date)

(Signature of Supervising Senator/Officer)

EMPLOYEE PRE-TRAVEL AUTHORIZATION

Date/Time Stamp:

ETHIC AUG 7 7:19PM 12:53

Pre-Travel Filing Instructions: Complete and submit this form at least 30 days prior to the travel departure date to the **Select Committee on Ethics in SH-220**. Incomplete and late travel submissions will not be considered or approved. This form must be typed and is available as a fillable PDF on the Committee's website at ethics.senate.gov. Retain a copy of your entire pre-travel submission for your required post-travel disclosure.

Name of Traveler: Jacob Olidort

Employing Office/Committee: Office of Senator Josh Hawley

Private Sponsor(s) (list all): Stanford University

Travel date(s): August 26-29, 2019

Note: If you plan to extend the trip for any reason you must notify the Committee.

Destination(s): Stanford University, Stanford, CA

Explain how this trip is specifically connected to the traveler's official or representational duties:

The purpose of this trip is to participate in an intensive seminar focused on policy issues surrounding cyber and artificial intelligence. As Senior Foreign Policy Advisor to Senator Hawley, I oversee legislation pertaining to China's exploitation of U.S. technology and challenges in aligning American big tech companies with U.S. national security interests, particularly with respect to partnerships with Beijing. As portfolio lead for the Senator's Homeland Security and Governmental Affairs Committee (HSGAC) work, I have assisted in preparing for meetings and hearings connected to oversight of the U.S. government's cyber readiness.

Name of accompanying family member (if any): N/A

Relationship to Employee: ☐ Spouse ☐ Child

I certify that the information contained in this form is true, complete and correct to the best of my knowledge:

8/7/2019
(Date)


(Signature of Employee)

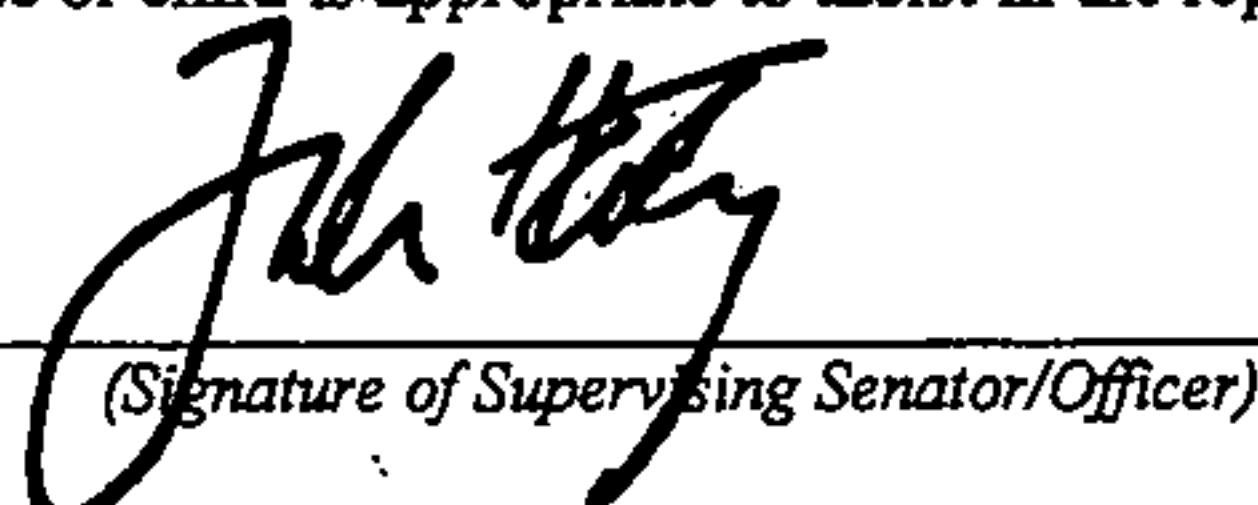
TO BE COMPLETED BY SUPERVISING SENATOR/OFFICER (President of the Senate, Secretary of the Senate, Sergeant at Arms, Secretary for the Majority, Secretary for the Minority, and Chaplain):

I, Josh Hawley hereby authorize Jacob Olidort
(Print Senator's/Officer's Name) (Print Traveler's Name)

an employee under my direct supervision, to accept payment or reimbursement for necessary transportation, lodging, and related expenses for travel to the event described above. I have determined that this travel is in connection with his or her duties as a Senate employee or an officeholder, and will not create the appearance that he or she is using public office for private gain.

I have also determined that the attendance of the employee's spouse or child is appropriate to assist in the representation of the Senate. (signify "yes" by checking box) ☐

8/7/2019
(Date)


(Signature of Supervising Senator/Officer)

CYBER AND ARTIFICIAL INTELLIGENCE BOOT CAMP

AUGUST 26-29, 2019

Frederick S. Allen
Institute for
International Studies

HOOVER
INSTITUTION

Stanford University, Stanford, CA 94305-5080

July 18, 2019

Dear Dr. Olidort,

We are pleased to inform you that you have been selected to participate in the Stanford Cyber and Artificial Intelligence Boot Camp at Stanford University in Palo Alto, CA, on August 26th – 29th. This intensive 3-day program includes seminars, simulations, a keynote dinner event with industry stakeholders, and a field trip.


These sessions will challenge you to learn from and debate key philosophical and policy issues with some of the nation's leading thinkers and practitioners. As a participant you will receive round-trip airfare and ground transportation to Stanford University from Washington, DC, housing on Stanford's campus, and those meals that are part of the program.

To proceed, please confirm your agreement to attend by completing this form by the close of business on Monday, July 22nd. Due to ethics rules, to maintain your spot, it is imperative that you submit the proper paperwork. Please complete the paperwork provided and items listed below to your ethics committee for review by **Wednesday, July 24th**. Your submission packet must include:

- Traveler Form (attached for you to fill out)
- Private Sponsor Certification Form (completed for you and attached)
- Syllabus
- Senate Boot Camp Offers
- Copy of this invitation letter

If you have any questions, do not hesitate to contact me (rwald@stanford.edu). Thank you in advance for your prompt response so we can ensure your seat in the boot camp. We look forward to and expect an excellent program.

Sincerely,



Russell C. Wald
Senior Manager, External Affairs
Hoover Institution, Stanford University

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The Senate Member, officer, or employee **MUST** also provide a copy of this form, along with the appropriate travel authorization and reimbursement form, to the Office of Public Records (OPR), Room 232 of the Hart Building, within thirty (30) days after the travel is completed.

- Private Sponsor Certification - Page 1 of 4

9. USE ONLY IF YOU CHECKED QUESTION 6(B)

I *certify* that if the sponsor or sponsors retain or employ one or more registered lobbyists or agents of a foreign principal, one of the following scenarios applies:

- ☐ (A) The trip is for attendance or participation in a one-day event (exclusive of travel time and one overnight stay) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee *on any segment* of the trip.

- OR -

- ☐ (B) The trip is for attendance or participation in a one-day event (exclusive of travel time and two overnight stays) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee *on any segment* of the trip (see questions 6 and 10).

- OR -

- ☒ (C) The trip is being sponsored only by an organization or organizations designated under § 501(c)(3) of the Internal Revenue Code of 1986 and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee *at any point* throughout the trip.

10. USE ONLY IF YOU CHECKED QUESTION 9(B)

If the trip includes two overnight stays, please explain why the second night is practically required for Senate invitees to participate in the travel:

11. ☒ An itinerary for the trip is attached to this form. I *certify* that the attached itinerary is a detailed (hour-by-hour), complete, and final itinerary for the trip.

12. Briefly describe the role of each sponsor in organizing and conducting the trip:

Stanford University solely planned all aspects of the trip including topics discussed, travel/accommodation logistics, and required paperwork. Stanford staff will also be responsible for traveling with Congressional staff and managing logistics for the duration of the trip.

13. Briefly describe the stated mission of each sponsor and how the purpose of the trip relates to that mission:

Stanford University is a 501(C)3 institution of higher education that seeks to promote the public welfare by exercising an influence in behalf of humanity and civilization, through teaching and rigorous scholarship.

14. Briefly describe each sponsor's prior history of sponsoring congressional trips:

This is the fourth Cyber Boot Camp for Congressional staff organized by Stanford. The most recent one was August 2017 and had a similar format to this trip.

15. Briefly describe the educational activities performed by each sponsor (other than sponsoring congressional trips):

Stanford University regularly sponsors policy panels and roundtables for think tanks scholars, journalists,

Congressional staff, Executive branch officials, academics and members of the public. Additionally

Stanford educates numerous undergrad and graduate students within the university.

16. Total Expenses for Each Participant:

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses
<input checked="" type="checkbox"/> Good Faith estimate	\$599.45 Round trip airfare	\$600 (\$200/night)	\$231	
<input type="checkbox"/> Actual Amounts	\$60 ground transportation			

17. State whether a) the trip involves an event that is arranged or organized *without regard* to congressional participation or b) the trip involves an event that is arranged or organized *specifically with regard* to congressional participation:

The trip involves an event that is arranged/organized specifically with regard to Congressional staff participation.

18. Reason for selecting the location of the event or trip

In order to have a significant number of California-based faculty participate in the event, we are hosting it at the Stanford University campus.

19. Name and location of hotel or other lodging facility:

Schwab Residential Center, 680 Serra Street, Stanford CA 94305

20. Reason(s) for selecting hotel or other lodging facility:

The Schwab Residential Center is owned and operated by Stanford University. It is in close proximity to the events that comprise the program, and falls into the per diem guidelines.

21. Describe how the daily expenses for lodging, meals, and other expenses provided to trip participants compares to the maximum per diem rates for official Federal Government travel:

Lodging expenses are less than the federal per diem for Palo Alto, CA. Meal expenses are less than the federal per diem for Palo Alto, CA.

22. Describe the type and class of transportation being provided. Indicate whether coach, business-class or first class transportation will be provided. If first-class fare is being provided, please explain why first-class travel is necessary:

Stanford University will provide economy class round trip airfare between Washington, DC and San Francisco, CA, and round trip ground transportation between Stanford University and SFO

23. ☒ I represent that the travel expenses that will be paid for or reimbursed to Senate invitees do not include expenditures for recreational activities, alcohol, or entertainment (other than entertainment provided to all attendees as an integral part of the event, as permissible under Senate Rule 35).

24. List any entertainment that will be provided to, paid for, or reimbursed to Senate invitees and explain why the entertainment is an integral part of the event:

None.

25. I hereby *certify* that the information contained herein is true, complete and correct. (For trips involving more than one sponsor, you *must* include a completed signature page for each additional sponsor):

Signature of Travel Sponsor: 

Name and Title: Russell Wald, Senior Manager, External Affairs

Name of Organization: Stanford University

Address: 434 Galvez Mall, Stanford, CA 94305

Telephone Number: 202.760.3200

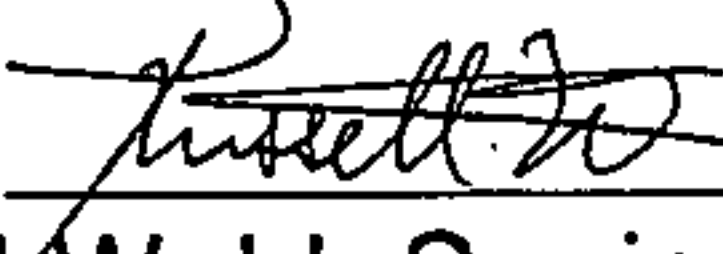
Fax Number: 202.760.3191

E-mail Address: rwald@stanford.edu

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PRIVATE SPONSOR TRAVEL CERTIFICATION FORM
SIGNATURE PAGE FOR ADDITIONAL SPONSOR
(to be completed by each additional sponsor)

I hereby *certify* that the information contained on pages 1-4 of the certification form and any accompanying addenda, all submitted in connection with the August 26-29, 2019 trip
to Stanford University, Stanford, CA is true, complete, and correct.
Dates of Travel (Month Day, Year)
Place of Travel

Signature of Travel Sponsor: 
Name and Title: Russell Wald, Senior Manager, External Affairs
Name of Organization: Stanford University
Address: 434 Galvez Mall, Stanford, CA 94305
Telephone Number: 202-760-3200
Fax Number: 202-760-3191
E-mail Address: rwald@stanford.edu

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CYBER AND ARTIFICIAL INTELLIGENCE BOOT CAMP

AUGUST 26-29, 2019

Freeman Spogli
Institute for
International Studies

HOOVER
INSTITUTION

HAI

Cyber and Artificial Intelligence Boot Camp

August 26-29, 2019

The Hoover Institution, Annenberg Conference Room 105, Lou Henry Hoover Building
434 Galvez Mall, Stanford, CA 94305

LEADERSHIP

Andrew Grotto

Program Director, Program on Geopolitics, Technology, and Governance, Stanford
Cyber Policy Center, Freeman Spogli Institute

William J. Perry International Security Fellow, Center for International Security and
Cooperation (CISAC)

Research Fellow, Hoover Institution

Dr. Herb Lin

Senior Research Scholar for Cyber Policy and Security, Center for International Security
and Cooperation (CISAC)

Hank J. Holland Fellow in Cyber Policy and Security, Hoover Institution

Chief Scientist Emeritus, Computer Science and Telecommunications Board, National
Academies

CONTACTS

Danielle Jablanski, djablanski@stanford.edu +1(650) 725-4839

Cyber Program Manager, Program on Geopolitics, Technology, and Governance,
Stanford Cyber Policy Center, Freeman Spogli Institute

Russell Wald, rwald@stanford.edu +1 (202) 760-3204

Senior Manager for External Affairs

Hoover Institution, Stanford University

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COURSE DESCRIPTION

Threats in cyberspace, innovations in emerging technology, complex digital interdependence and challenges for security, governance, privacy and safety capture headlines across the globe. Nations, companies and individuals are increasingly dependent on information and information technology for societal functions. Ensuring the security of information and information technology — defined as cybersecurity — against a broad spectrum of hackers, criminals, terrorists, propagandists and state actors is a critical task for the nation. Challenges are evolving rapidly, with threats facing the nation and its infrastructure changing by the day.

Cybersecurity is not solely a technical matter, although it is easy for policy analysts and others to get lost in the technical details. Improving cybersecurity is a multi-faceted enterprise that requires drawing on knowledge from computer science, economics, law, political science, psychology, international relations, and a host of other disciplines. This Boot Camp draws upon the expertise of cyber and artificial intelligence scholars in academia as well as senior business leaders and security professionals in Silicon Valley and beyond to provide perspectives on the many dimensions of this dynamic set of issues.

Artificial intelligence developments and are likewise being documented all over the world, with advances for medicine, automation, mobile apps, IoT devices, robotics, and more. In collaboration with the Stanford Institute for Human-Centered Artificial Intelligence (HAI) recently launched at Stanford, the Boot Camp will introduce fundamentals of machine learning and AI. As the HAI mission states, the development of artificial intelligence should be paired with an ongoing study of its impact on human society and guided accordingly.

The 2019 Cyber and Artificial Intelligence Boot Camp for Congressional Staffers will incorporate multiple viewpoints and interactive sessions to provide an understanding of the fundamentals of cybersecurity and artificial intelligence, the nature of international security challenges and threats, various approaches to addressing these threats, and the development and use of capabilities to advance national interests. The Boot Camp seeks to give Congressional Staffers a conceptual framework to understand the threat environment of today and how it might evolve so that they are better able to anticipate and manage the converging technology and policy issues of tomorrow.

- **Scope:** The security implications and challenges of the nation's use of information technology. The course focuses specifically on topics relevant for international security and policymaking. We will not dive deep on any technological security products or processes for protecting or attacking systems and networks.
- **Framing Theme #1:** Cybersecurity has different meanings and poses different challenges to different stakeholders. Approaching the problem posed requires understanding the perspectives of various actors, their interests and incentives. Boot Camp sessions are designed to allow staffers to better understand the perspectives of different stakeholders

and key players, including attackers, researchers, industry experts, and corporate executives.

- **Framing Theme #2:** The non-technical dimensions of offensive and defensive cybersecurity (politics, organizational and cultural dynamics, economics, and psychology) are often far more important and less understood than the technical aspects. The Boot Camp pays explicit attention to these non-technical dimensions and how they intersect with technical challenges.
- **Framing Theme #3:** On the technical side, the course focuses on the underlying foundational principles of computing and communications technology (collectively, information technology) that drive the evolution of architectures, technologies, and vulnerabilities.
- **Framing Theme #4:** The expected global and multisector impacts of artificial intelligence cannot be understated. AI experts will provide fundamental primers for how algorithms and autonomous systems are built, how incorporation of this technology will affect society, and frameworks for how governments and publics thinking about the uses and misuses of technology in this new reality will evolve.

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11:30 am – 12:00 pm INTRODUCTION AND PROGRAM OVERVIEW

Faculty:

- **Andrew Grotto**, William J. Perry International Security Fellow, Center for International Security and Cooperation (CISAC), Research Fellow, Hoover Institution
- **Dr. Herb Lin**, Senior Research Scholar, CISAC; Hank J. Holland Fellow, Hoover Institution

12:00 pm – 12:30 pm LUNCH KEYNOTE & WELCOME

Opening Remarks:

- **H.R. McMaster**, Fouad and Michelle Ajami Senior Fellow, Hoover Institution; Former assistant to the president for National Security Affairs; Retired Lieutenant General, U.S. Army

12:30 pm – 1:30 pm THINKING LIKE AN ATTACKER

Faculty:

- **Dr. Greg Conti**, Senior Security Strategist, IronNet Cybersecurity
- **Dr. Herb Lin**, Stanford University
- **Andrew Grotto**, Stanford University (Moderator)

Effectively combating any adversary requires understanding the ways in which that adversary thinks. Cybersecurity adversaries — from state agents seeking to disable military systems to hacktivists seeking to make a political point — share a security mindset: a predilection for examining the ways in which the security of a system can be circumvented or penetrated. Whereas good engineering is about how a system can be made to work, the security mindset involves thinking about how some aspect of a system can be made to fail. Understanding this mindset is the first step towards designing sound cybersecurity solutions.

Assignment: While in transit to the course location in Palo Alto, conduct a thought experiment for bringing an item prohibited by TSA regulations onto the airplane.

Learning Objectives: Why defense is more difficult than offense and what makes ongoing offense-defense competition inevitable.

1:30 pm – 1:45 pm BREAK

1:45 – 3:00 pm KEYNOTE: CURRENT THREAT LANDSCAPE

Kevin Mandia, CEO, FireEye

- Sean Kanuck, Visiting Fellow, Hoover Institution; Former National Intelligence Officer for Cyber Issues, Office of the Director of National Intelligence
- Dr. Herb Lin, Stanford University (Moderator)

Threat actors and their specific activity signatures, global hot spots and trends, are analyzed daily by various security agencies, governments, and organizations. This keynote will direct our attention to today's principal threat actors, providing a bird's eye view of the threat landscape, current trends and capabilities, future outlook of malicious cyber activity, and seeks to bust certain myths sometimes circulated or recounted incorrectly about cyber operations. Speakers will also provide first-hand examples of experiences tracking threats and bad actors, and share insights about working in this field.

3:00 pm – 3:15 pm BREAK

3:15 pm – 4:15 pm THREATS TO CYBERSECURITY

Faculty:

Carey Nachenberg, Chief Scientist, Chronicle; Adjunct Assistant Professor of Computer Science, UCLA

- Dr. Tom Berson, Visiting Scholar, Stanford CISAC; Advisory Board Member, Salesforce; Founder, Anagram Laboratories
- Dr. Herb Lin, Stanford University (Moderator)

Cybersecurity compromises can take a variety of forms and occur for a variety of reasons. This session examines various known techniques and vulnerabilities in information technology that allow them to happen, painting a picture of a well-known cybersecurity theme: offense dominance. This session will include forensic case studies that illuminate the spectrum of the attack surface, key challenges, and trends.

Learning Objectives: Security-relevant principles of information technology; types of

compromises; inherent vulnerabilities of information technology; the hidden complexity of cyberspace; anatomy of security compromises; and the spectrum of threats to cybersecurity.

4:15 pm – 4:30 pm BREAK

Dinner available in Annenberg Conference Room

4:30 pm – 5:30 pm DINNER: OFFENSIVE DIMENSIONS OF CYBERSECURITY

Faculty:

Dr. Herb Lin, *Stanford University*

- Jason Kichen, *Vice President, Advanced Security Concepts, eSentire*
- Andrew Grotto, *Stanford University (Moderator)*

Offensive activities — including those conducted for espionage and attack purposes — serve a variety of national goals. This discussion will summarize the operational and strategic requirements, intelligence needs, organizational structure and policy considerations necessary for offensive cyber operations.

Learning Objectives: The role of offensive operations in cyberspace for improving the nation's cybersecurity posture, signaling, and other purposes; the differences between penetration and exploitation and their important distinctions; the scope and nature of U.S. command and control of offensive operations in cyberspace.

5:30 pm – 6:00 pm BREAK

Walk to Stanford Graduate School of Business, meet in room G101, Dunlevie Classroom

6:00 pm – 8:30 pm HOSPITAL RANSOMWARE SIMULATION

The hospital has been the victim of a cyber-attack in the form of ransomware which successfully encrypts 250,000 files and holds at least one system hostage, demanding a ransom payment in Bitcoin (BTC) in return for a decryption key which will unlock its systems and restore access and functionality to the system. The hospital has a timeline of 72 hours to pay the ransom before their files become permanently encrypted and inaccessible, or are moved off their network.

Subject matter experts will act as the hospital's Chief Executive Officer and Chief Strategy Officer during the simulation, and staffers will be divided into teams to assist with directing action items, press releases, and critical decisions on how to manage the attack and response.

Each team will have a coach aiding their organization and strategy. All names and information will be fictional, however, the simulated attack is based on previous real life scenarios. The information made available to participants is subject to change throughout the simulation. At the end of the exercise, teams will present their decision making processes to the hospital's CEO and Board of Trustees, and debrief on what it is like to face this type of cyber scenario in the real world.

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8:30 am – 9:00 am BREAKFAST AND DAY 1 DEBRIEF

- **Andrew Grotto**, William J. Perry International Security Fellow, Center for International Security and Cooperation (CISAC), Research Fellow, Hoover Institution
- **Dr. Herb Lin**, Senior Research Scholar, CISAC; Hank J. Holland Fellow, Hoover Institution

9:00 am – 11:00 am HANDS ON HACK LAB

Faculty:

- **Alex Stamos**, Visiting Scholar, Hoover Institution; Adjunct Professor, Stanford University; Director, Internet Observatory, Cyber Policy Center, Freeman Spogli Institute

Stamos' course provides an introduction to the most common types of attacks used in cybercrime and cyberwarfare. As a long-time security practitioner, he covers the basics of an area of technology and how it has been misused. Participants will complete a lab session from his Stanford course in which they will be guided through attacking a known insecure system using techniques and tools seen in the field.

Participants will be required to bring a Windows or Mac laptop and will be provided with basic information for the exercise 2 weeks prior to the session. No computer science background is necessary for this session.

11:00 am – 11:15 pm BREAK

Lunch available in Annenberg Conference Room

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Faculty:

- **Dr. Tyler Moore**, Tandy Assistant Professor of Cyber Security and Information Assurance, University of Tulsa
- **Dr. Greg Falco**, Security Researcher, Stanford CISAC
- **Dr. Herb Lin**, Stanford University (Moderator)

Known cybersecurity measures are often not fully adopted due to a variety of economic and organizational factors. These factors are non-technical in nature and often underappreciated by technical and policy communities. Economics describe the incentives that apply to cyber defenders and adversaries, including the nature of cybersecurity market failures and the ability to handle collective action problems. The insurance sector is working to provide accurate and adequate coverage for this market. This session examines how these factors often discourage the adoption of sound security practices.

Learning Objectives: The importance of economic and organizational factors of cybersecurity and why they are often overlooked in efforts to improve cybersecurity; how government action might help to address non-technical factors that diminish the nation's cybersecurity posture.

12:15 pm – 12:30 pm BREAK

12:30 pm – 1:30 pm PRIVACY & SECURITY FOR CONSUMERS, CUSTOMERS, AND CRITICAL INFRASTRUCTURE

Faculty:

- **Robert Chesney**, Associate Dean and Charles I. Francis Professor, University of Texas School of Law; Director, Robert S. Strauss Center for International Security and Law
- **Ted Gizewski**, Vice President, Product Legal, Salesforce
- **Andrew Grotto**, Stanford University (Moderator)

Privacy and security risks manifest differently in different business sectors. They also share important interdependencies that require integrated risk management and policy-making strategies.

Learning objectives: Gaining insight into how privacy and security risks affect different sectors, how risk management strategies must be tailored to the risk environment, and why an integrated approach to managing privacy and security risks is imperative.

1:30 pm – 1:45 pm BREAK

1:45 pm – 2:45 pm INTERNATIONAL LAW AND CYBERSECURITY

Faculty:

- Dr. Tess Bridgeman, Senior Fellow, Center on Law and Security, NYU
- Dr. Herb Lin, Stanford University
- Andrew Grotto, Stanford University (Moderator)

Technological change has far outpaced updates to laws and regulatory frameworks, and will almost certainly continue to do so in the future. This lag consequentially challenges Congress to craft legislation appropriate for future technologies. Furthermore, nations have cooperative and competitive (and sometimes adversarial) interests that play out in cyberspace, devoid of national borders, giving an international dimension to every cybersecurity and policy challenge.

Learning Objectives: The implicit technological assumptions of existing cybersecurity laws; what problems arise in applying existing international law to technological circumstances not contemplated at the time of initial passage. These include the law of armed conflict, human rights, proposals for internet governance; and different non-governmental organizations that affect the design and operation of the Internet.

2:45 pm – 3:45 pm FUNDAMENTALS OF DEFENSE FOR CYBERSECURITY

Faculty:

- Dr. Irving Lachow, Visiting Fellow, Hoover Institution; Affiliate, CISAC; Portfolio Manager, International Cybersecurity, MITRE
- Andrew Grotto, Stanford University
- Dr. Herb Lin, Stanford University (Moderator)

Cybersecurity can be a deeply technical subject, especially in how cybersecurity solutions are implemented, a few fundamental principles underlie most solutions. This session takes a deep dive into the principles of improving cybersecurity and how they fit together. These include reducing reliance on information technology, detecting cybersecurity compromises, and

6:30 pm – 8:30 pm KEYNOTE RECEPTION/DINNER – ARTIFICIAL INTELLIGENCE

- **Dr. John Etchemendy**, Co-Director, Stanford Institute for Human-Centered Artificial Intelligence; Provost Emeritus, and Patrick Suppes Family Professor in the School of Humanities, Stanford University
- **Reid Hoffman**, Partner, Greylock Partners; Co-founder and former Executive Chairman, LinkedIn
- **Ambassador Michael McFaul**, Senior Fellow, Freeman Spogli Institute for International Studies; Senior Fellow, Hoover Institution, Stanford University (Moderator)

Artificial intelligence technologies are augmenting human capability and efficiency, changing the way we think about and interact with information, and creating new governance challenges and opportunities for policy makers and business leaders. Please join two distinguished thought leaders to discuss critical issues facing the future of human-centered AI development, innovation, and governance.

DAY 3 (Wednesday, August 28): Industry Voices, and the Future of Artificial Intelligence

9:00 am – 9:30 am BREAKFAST AND DAY 2 DEBRIEF

- **Andrew Grotto**, *William J. Perry International Security Fellow, Center for International Security and Cooperation (CISAC), Research Fellow, Hoover Institution*
- **Dr. Herb Lin**, *Senior Research Scholar, CISAC; Hank J. Holland Fellow, Hoover Institution*

9:30 am – 10:45 am INDUSTRY PERSPECTIVES PANEL

- **Dr. Sameer Bhalotra (Chair)**, *Co-Founder and CEO, ActZero.ai; Affiliate, CISAC; Senior Associate of the Strategic Technologies Program, CSIS; former Senior Director for Cybersecurity, National Security Council*
- **Frank Chen**, *Partner, Andreessen Horowitz*
- **Michelle Finneran Denny**, *Vice President, Chief Privacy Officer, Cisco*
- **Rick Howard**, *Chief Security Officer, Palo Alto Networks*
- **Dr. Mark Rosekind**, *Chief Safety Innovation Officer, Zoox*

Market forces have a critical role in enhancing or weakening security and privacy considerations. This session examines how such forces play out at the level of the individual firm and incorporate the views and concerns of the business community. Silicon Valley senior executives and engineers will give their “ground truths” about the security problems facing the private sector.

Learning Objectives: Various private sector perspectives on technology and relations beyond Silicon Valley from technology firms that support innovative efforts for providing IT-based products and services with attention to cybersecurity and AI.

10:45 am – 11:00 am BREAK

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1:15 pm – 1:30 pm BREAK

Faculty:

- Advances in AI are raising a set of fundamentally important questions that go well beyond technology. This session will explore key AI ethics and governance issues, such as the nuances and challenges of addressing questions like: What should the rules be when machines make decisions with ethical implications, and who writes those rules? How can the issue of bias in AI be addressed?

Walk to Hoover Tower

Founded by Herbert Hoover in 1919, the Hoover Institution Library & Archives are dedicated to documenting war, revolution, and peace in the twentieth and twenty-first centuries. With nearly one million volumes and more than six thousand archival collections from 171 countries, Hoover

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Travel to Stanford Center for Automotive Research
SHUTTLE ARRIVES AT 3:50PM TO END OF GALVEZ ST.

4:15 pm – 5:30 pm VISIT TO CENTER FOR AUTOMOTIVE RESEARCH AT STANFORD

Faculty:

- **Dr. Stephen Zepf**, *Executive Director, Center for Automotive Research, Stanford University*
- **Bryan Casey**, *Lecturer in Law, Stanford University*
- **Marco Pavone**, *Associate Professor, Aeronautics and Astronautics, Stanford University*

The Center for Automotive Research at Stanford (CARS) brings together researchers, students, industry, government and the community to enable a future of human-centered mobility. Understanding how people and machines work together has never been so important than when building vehicles of the future. CARS supports educational experiences for students, infrastructure for research and events that bring students and campus researchers together with industry professionals and the broader community. Researchers and vehicles affiliated with CARS are housed at the Automotive Innovation Facility, which houses the Volkswagen Automotive Innovation Lab (often referred to as 'VAIL'), a state-of-the-art vehicle research facility where interdisciplinary teams can work on projects that move vehicle human-centered mobility forward.

Participants will visit CARS' Automotive Innovation Facility and hear from researchers on the cutting edge of the development of autonomous vehicles. Experts will brief the group on trends in the field, ongoing legal and ethical debates, and provide a tour of the facility showcasing vehicles and a driving simulator used for research.

***Ride to Stanford Golf Course* - SHUTTLE ARRIVES AT 5:45PM TO THE SDDL**

6:00 pm – 8:00 pm DINNER AND REFLECTIONS – (Staffers only)

Coupa Café – Stanford Golf Course
198 Junipero Serra Blvd, Stanford, CA, 94305

***Ride to Schwab Residential Hall* - SHUTTLE ARRIVES AT 8:15pm**

Thursday, August 29: Shuttle will arrive to Schwab Residential Hall at 6:30am to depart for San Francisco International Airport

Tristan	Abbey	Energy & Natural Resources Committee	Senior Professional Staff
Karolina	Arias	Sen. Van Hollen SubCmte Securities, Investment, Insurance	Policy Advisory and Minority Staff Director
Jackie	Barber	Committee on Rules & Administration	Chief Counsel
Virgilio	Barrera	Senator Martin Heinrich	Legislative Director
Jacob	Barton	Senate Select Committee on Intelligence	Professional Staff
Greta	Bedekovics	Senate Committee on Rules and Administration	Professional Staff Member
Michelle	Benecke	Homeland Security and Governmental Affairs Committee	Senior Counsel
Emily	Clise	Senate Select Committee on Intelligence	Professional Staff Member
Brett	Freedman	Senate Select Committee on Intelligence	Minority General Counsel
Katherine	Harris	Senate Select Committee on Intelligence	Counsel for the Minority
Sunmin	Kim	Sen. Schatz	Technology Policy Advisor
Charlotte	Oldham-Moore	Senate Foreign Relations Committee	Senior Professional Staff Member
Jacob	Olidort	Office of Senator Josh Hawley	Foreign Policy Advisor
Cherilyn	Pascoe	Senate Commerce Committee	Senior Professional Staff Member
William	Payne	Sen. Ben Sasse/Senate Judiciary Committee	Chief Counsel
John	Riordan	Senate Armed Services Committee	Professional Staff Member; Strategic forces SubCmte Lead
Jacqueline	Russell	Senate Appropriations	Professional Staff Member
Troy	Stock	Republican Policy Committee	Policy Counsel
Moon	Sulfab	Senator Mitch McConnell	Systems Administrator
Chad	Tanner	Select Committee on Intelligence	Professional Staff Member
Clint	Trocchio	Committee on Appropriations	Deputy Clerk and Head of Analytics
Matthew	Williams	Sen. Kamala Harris	National Security Advisor
Robert	Winkler	Senate Armed Services Committee	Professional Staff Member

Flight Information for Stanford Cyber and Artificial Intelligence Boot Camp (August 26-29, 2019)

Monday, August 26, 7:00 a.m.

United Airlines Flight 1181T

IAD > SFO

9:49 a.m. Arrival

Thursday, August 29, 9:30 a.m.

United Airlines Flight 516W

SFO > IAD

5:42 p.m. Arrival

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